ELSEVIER

1 June 1997

Optics Communications 138 (1997) 419–425

OPTICS COMMUNICATIONS

Author index to volume 138

Abdullaev, F.Kh., A.A. Abdumalikov and B.B. Baizakov, Propagation of chirped optical solitons in fibers with randomly varying parameters 138 (1997) 49
Abdumalikov, A.A., see Abdullaev, F.Kh. 138 (1997) 49
Agarwal, G.S., see Ezaki, H. 138 (1997) 65
Agrawal, G.P., see Law, J.Y. 138 (1997) 95
Ahn, S.-W., see Lee, S.-S. 138 (1997) 298
Akhmediev, N.N., see Torner, L. 138 (1997) 105
Alfano, R.R., see Liu, Q.D. 138 (1997) 45
Arieli, Y., N. Eisenberg and A. Lewis, Pattern generation by inverse phase contrast 138 (1997) 284

Baba, N., see Miura, N. 138 (1997) 275
Bahar, B., see Staliunas, K. 138 (1997) 412
Baizakov, B.B., see Abdullaev, F.Kh. 138 (1997) 49
Beigang, R., see Wang, D. 138 (1997) 87
Belić, M.R., see Petrović, M.S. 138 (1997) 349
Böhmer, B., see Orlowski, A. 138 (1997) 311
Bollanti, S., P. Di Lazzaro, D. Murra and A. Torre, Analytical propagation of supergaussian-like beams in the far-field 138 (1997) 35
Bonifacio, R., A rigorous calculation of coherent noise bunching 138 (1997) 99
Bouchiat, M.A., see Chauvat, D. 138 (1997) 249
Boyain, A.R., see Starodumov, A.N. 138 (1997) 31
Brakenhoff, G.J., see Müller, M. 138 (1997) 16
Bruckmeier, R., see Schiller, S. 138 (1997) 158
Buist, A.H., see Müller, M. 138 (1997) 16

Calatroni, J., A. Marcano, R. Escalona and P. Sandoz, Visualization and measurement of a stationary thermal lens using spectrally resolved white light interferometry 138 (1997) 1
Chang, J.Y., C.R. Chinjen, R.H. Tsou, C.Y. Huang, C.C. Sun and M.W. Chang, Photorefractive effect in hydrogen-reduced $BaTiO_3$ 138 (1997) 101
Chang, M.W., see Chang, J.Y. 138 (1997) 101
Chattopadhyay, T. and M. Nakajima, All optical set-reset flip-flop memory element: a proposal 138 (1997) 320
Chauvat, D., J. Guéna, Ph. Jacquier, M. Lintz, M.A. Bouchiat, M.D. Plimmer and C.W. Goodwin, Magnification of a tiny polarisation rotation by a dichroic plate in balanced mode polarimetry 138 (1997) 249
Chen, H.X., see Hopkins, S.A. 138 (1997) 185
Chen, Y., see Gong, L. 138 (1997) 293

Chinjen, C.R., see Chang, J.Y. 138 (1997) 101
Couris, S., see Koudoumas, E. 138 (1997) 301

Dai, J.-H., see Yang, Q.-S. 138 (1997) 325
Danzmann, K., see Mizuno, J. 138 (1997) 383
Deng, X., Y. Li, D. Fan and Y. Qiu, A fast algorithm for fractional Fourier transforms 138 (1997) 270
De Vries, P., see Kop, R.H.J. 138 (1997) 118
Di Lazzaro, P., see Bollanti, S. 138 (1997) 35
Dong, F., see Koudoumas, E. 138 (1997) 301
Du, S., S. Gong, Z. Xu, L. Zhou and C. Gong, Production of two-mode optical Schrödinger catlike states via Kerr nonlinearity 138 (1997) 193
Dubietis, A., see Veitas, G. 138 (1997) 333
Dunlop, A.M., W.J. Firth and E.M. Wright, Master equation for spatio–temporal beam propagation and Kerr lens mode-locking 138 (1997) 211
Durrant, A.V., see Hopkins, S.A. 138 (1997) 185

Eberhardt, W., see Jiang, Z. 138 (1997) 253
Eisenberg, N., see Arieli, Y. 138 (1997) 284
Escalona, R., see Calatroni, J. 138 (1997) 1
Ezaki, H., G.S. Agarwal and E. Hanamura, Photon number squeezing enhanced by two-photon process in excitonic systems 138 (1997) 65

Fan, D., see Deng, X. 138 (1997) 270
Firth, W.J., see Dunlop, A.M. 138 (1997) 211
Font, J.L., F. Silva and R. Vilaseca, Steady-state emission and stability of a single-mode two-level Fabry-Perot cavity laser 138 (1997) 403

Gong, C., see Du, S. 138 (1997) 193
Gong, L., Q. Li and Y. Chen, Electromagnetic field analysis of a curved antiresonant reflecting optical waveguide 138 (1997) 293
Gong, S., see Du, S. 138 (1997) 193
Goodwin, C.W., see Chauvat, D. 138 (1997) 249
Grässer, Ch., see Wang, D. 138 (1997) 87
Grattan, K.T.V., see Marshall, R.H. 138 (1997) 136
Grattan, K.T.V., see Ning, Y.N. 138 (1997) 27
Guéna, J., see Chauvat, D. 138 (1997) 249
Gulyaev, Yu.V., see Nikitov, S.A. 138 (1997) 55
Guo, G.-C., see Zheng, S.-B. 138 (1997) 317
Gupta, N.K. and H. Ogawa, Optoelectronic architecture for cellular neural networks based on a new bias method and spatial coding scheme 138 (1997) 11
Gupta, S., see Mizunami, T. 138 (1997) 40
Gutiérrez-Castrejón, R., K.M. Hung and T.J. Hall, Spatial evolution of the phase in resonant degenerate four-wave mixing 138 (1997) 227

Hall, T.J., see Gutiérrez-Castrejón, R. 138 (1997) 227
Hamad, A.Y. and J.P. Wicksted, Volume grating produced by intersecting Gaussian beams in an absorbing medium: a Bragg diffraction model 138 (1997) 354
Hanamura, E., see Ezaki, H. 138 (1997) 65

Hashimoto, M., see Mizunami, T. 138 (1997) 40
He, Q., see Li, X. 138 (1997) 143
Hiraoka, Y., see Kikuchi, S. 138 (1997) 21
Ho, P.P., see Liu, Q.D. 138 (1997) 45
Hopkins, S.A., E. Usadi, H.X. Chen and A.V. Durrant, Electromagnetically induced transparency of laser-cooled rubidium atoms in three-level Λ-type systems 138 (1997) 185
Huang, C.Y., see Chang, J.Y. 138 (1997) 101
Hung, K.M., see Gutiérrez-Castrejón, R. 138 (1997) 227

Ide, M., see Klaus, W. 138 (1997) 151
Ilev, I.K., H. Kumagai and K. Toyoda, A powerful and widely tunable double-pass fiber Raman laser 138 (1997) 337

Jacquemin, R., see Jiang, Z. 138 (1997) 253
Jacquier, Ph., see Chauvat, D. 138 (1997) 249
James, D.F.V. and E. Wolf, Cross-spectrally pure light and the spectral modulation law 138 (1997) 257
Jarić, M.V., see Petrović, M.S. 138 (1997) 349
Jhe, W., see Yin, J. 138 (1997) 287
Jiang, Z., R. Jacquemin, Q. Lu and W. Eberhardt, Spectral shifts of ultrashort pulsed Gaussian beam 138 (1997) 253
Jin, G., see Li, X. 138 (1997) 143

Kaiser, F., see Petrović, M.S. 138 (1997) 349
Kamiya, T., see Klaus, W. 138 (1997) 151
Keller, O. and G. Wang, Angular momentum photon drag in a mesoscopic ring 138 (1997) 75
Kikuchi, S., K. Sonobe, S. Mashiko, Y. Hiraoka and N. Ohyama, Three-dimensional image reconstruction for biological micro-specimens using a double-axis fluorescence microscope 138 (1997) 21
Kim, K.-H., see Yin, J. 138 (1997) 287
Kirsanov, A.V. and V.V. Yarovoy, Selection of a wave phase-conjugated to an input speckled beam in an FWMF-oscillator with a ''short'' hologram 138 (1997) 235
Kitaeva, G.Kh., A.A. Mikhailovsky, P.S. Losevsky and A.N. Penin, Four-wave light scattering by polaritons in $LiNbO_3$ 138 (1997) 242
Klaus, W., M. Ide, S. Morokawa, M. Tsuchiya and T. Kamiya, Angle-independent beam steering using a liquid crystal grating with multi-resistive electrodes 138 (1997) 151
Kop, R.H.J., P. de Vries, R. Sprik and A. Lagendijk, Kramers-Kronig relations for an interferometer 138 (1997) 118
Koroteev, N.I., V.A. Makarov and S.N. Volkov, Second harmonic generation by reflection of a two-dimensional laser beam from the surface of a chiral medium 138 (1997) 113
Koudoumas, E., F. Dong, S. Couris and S. Leach, High order nonlinear optical response of fullerene solutions in the nanosecond regime 138 (1997) 301
Kumagai, H., see Ilev, I.K. 138 (1997) 337

Lagendijk, A., see Kop, R.H.J. 138 (1997) 118
Larichev, A.V., I.P. Nikolaev and P. Violino, LCLV-based system for high resolution wavefront correction: phase knife as a feedback intensity producer 138 (1997) 127
Laude, V., Diffraction analysis of pixelated incoherent shadow casting 138 (1997) 394
Law, J.Y. and G.P. Agrawal, Nonlinear spatio-temporal dynamics due to transverse-mode competition in gain-switched microcavity semiconductor lasers 138 (1997) 95

Leach, S., see Koudoumas, E. 138 (1997) 301
Lee, K.-I., see Yin, J. 138 (1997) 287
Lee, S.-S., S.-W. Ahn and S.-Y. Shin, Electro-optic polymer digital optical switch with photobleached waveguides and a self-aligned electrode 138 (1997) 298
Lewis, A., see Arieli, Y. 138 (1997) 284
Li, G. and J. Peng, Coherent population trapping in multilevel laser-induced continuum structure system 138 (1997) 59
Li, G., see Rahman, L. 138 (1997) 91
Li, Q., see Gong, L. 138 (1997) 293
Li, X., M. Wu, Y. Yan, Q. He and G. Jin, Dynamic range metric for a photorefractive crystal in a volume holographic memory system 138 (1997) 143
Li, Y., see Deng, X. 138 (1997) 270
Lintz, M., see Chauvat, D. 138 (1997) 249
Liu, Q.D., L. Shi, P.P. Ho and R.R. Alfano, Nonlinear vector rotation and depolarization of femtosecond laser pulses propagating in non-birefringent single-mode optical fibers 138 (1997) 45
Losevsky, P.S., see Kitaeva, G.Kh. 138 (1997) 242
Lu, Q., see Jiang, Z. 138 (1997) 253

Makarov, V.A., see Koroteev, N.I. 138 (1997) 113
Mandel, P., see Nguyen, B.A. 138 (1997) 81
Marcano, A., see Calatroni, J. 138 (1997) 1
Marshall, R.H., Y.N. Ning, A.W. Palmer and K.T.V. Grattan, Dispersion in an electronically-scanned dual-wavelength low-coherence interferometer 138 (1997) 136
Mashiko, S., see Kikuchi, S. 138 (1997) 21
Matsumoto, H., see Minoshima, K. 138 (1997) 6
Mazilu, D., see Torner, L. 138 (1997) 105
McCall, M., see Mercier, J. 138 (1997) 200
Meggitt, B.T., see Ning, Y.N. 138 (1997) 27
Mercier, J. and M. McCall, Stability and dynamics of an injection-locked semiconductor laser array 138 (1997) 200
Meshulach, D., D. Yelin and Y. Silberberg, Adaptive ultrashort pulse compression and shaping 138 (1997) 345
Mihalache, D., see Torner, L. 138 (1997) 105
Mikhailovsky, A.A., see Kitaeva, G.Kh. 138 (1997) 242
Minoshima, K. and H. Matsumoto, In-situ measurements of shapes and thicknesses of optical parts by femtosecond two-colour interferometry 138 (1997) 6
Miura, N., N. Sawai and N. Baba, Stellar image reconstruction by minimizing errors for bispectral phases 138 (1997) 275
Miyazaki, K., see Uemura, S. 138 (1997) 330
Mizunami, T., M. Hashimoto, S. Gupta, Y. Uchida and T. Shimomura, Wavelength dependence of two-photon absorption in germanosilicate optical fibers 138 (1997) 40
Mizuno, J., A. Rüdiger, R. Schilling, W. Winkler and K. Danzmann, Frequency response of Michelson- and Sagnac-based interferometers 138 (1997) 383
Montiel, F. and M. Neviere, Infrared modulation via coupling gratings lying on III-V multiple quantum wells 138 (1997) 172
Monzon, D., see Starodumov, A.N. 138 (1997) 31
Morokawa, S., see Klaus, W. 138 (1997) 151

Müller, M., A.H. Buist, G.J. Brakenhoff and J. Squier, Method for complex focal field measurement of a high-numerical-aperture lens under CW and pulsed conditions 138 (1997) 16
Murra, D., see Bollanti, S. 138 (1997) 35

Nakajima, M., see Chattopadhyay, T. 138 (1997) 320
Neviere, M., see Montiel, F. 138 (1997) 172
Nguyen, B.A. and P. Mandel, Antiphase dynamics: a generalized reference model 138 (1997) 81
Nikitov, S.A., Yu.V. Gulyaev and V.I. Pustovoit, Optical-magnetostatic spin wave interaction in a ferromagnetic waveguide 138 (1997) 55
Nikolaev, I.P., see Larichev, A.V. 138 (1997) 127
Ning, Y.N., W.J. Shi, K.T.V. Grattan, A.W. Palmer and B.T. Meggitt, Interferometric detection scheme for measuring wavelength shift using a stabilized interferometer with an additional reference wavelength 138 (1997) 27
Ning, Y.N., see Marshall, R.H. 138 (1997) 136
Noh, H.-R., see Yin, J. 138 (1997) 287
Nordman, O., see Teteris, J. 138 (1997) 279

O'Donnell, K.A. and R. Torre, Second-harmonic generation from a strongly rough metal surface 138 (1997) 341
Ogawa, H., see Gupta, N.K. 138 (1997) 11
Ohyama, N., see Kikuchi, S. 138 (1997) 21
Olszak, A. and K. Patorski, Modified electronic speckle pattern interferometer with reduced number of elements for vibration analysis 138 (1997) 265
Orlowski, A., H. Paul and B. Böhmer, Phase-intensity uncertainty relation from quasiprobability distributions 138 (1997) 311

Palmer, A.W., see Marshall, R.H. 138 (1997) 136
Palmer, A.W., see Ning, Y.N. 138 (1997) 27
Patorski, K., see Olszak, A. 138 (1997) 265
Paul, H., see Orlowski, A. 138 (1997) 311
Peng, J., see Li, G. 138 (1997) 59
Penin, A.N., see Kitaeva, G.Kh. 138 (1997) 242
Petrović, M.S., M.R. Belić, M.V. Jarić and F. Kaiser, Optical photorefractive flip-flop oscillator 138 (1997) 349
Plimmer, M.D., see Chauvat, D. 138 (1997) 249
Podėnas, D., see Veitas, G. 138 (1997) 333
Pustovoit, V.I., see Nikitov, S.A. 138 (1997) 55

Qiu, Y., see Deng, X. 138 (1997) 270

Rahman, L., G. Li and F. Tian, Remote synchronization of high-frequency chaotic signals in semiconductor lasers for secure communications 138 (1997) 91
Rivoire, G., see Sahraoui, B. 138 (1997) 109
Rüdiger, A., see Mizuno, J. 138 (1997) 383

Sahraoui, B. and G. Rivoire, Degenerate four-wave mixing in absorbing isotropic media 138 (1997) 109
Sandoz, P., see Calatroni, J. 138 (1997) 1
San Miguel, M., see Schrama, C.A. 138 (1997) 305
Sawai, N., see Miura, N. 138 (1997) 275

Schiller, S., R. Bruckmeier and A.G. White, Classical and quantum properties of the subharmonic-pumped parametric oscillator 138 (1997) 158
Schilling, R., see Mizuno, J. 138 (1997) 383
Schrama, C.A., M.A. van Eijkelenborg, J.P. Woerdman and M. San Miguel, Dynamical polarization states above the instability threshold for circularly polarized laser emission 138 (1997) 305
Sheppard, C.J.R., Vector diffraction in paraboloidal mirrors with Seidel aberrations: effects of small object displacements 138 (1997) 262
Shi, L., see Liu, Q.D. 138 (1997) 45
Shi, W.J., see Ning, Y.N. 138 (1997) 27
Shimomura, T., see Mizunami, T. 138 (1997) 40
Shin, S.-Y., see Lee, S.-S. 138 (1997) 298
Silberberg, Y., see Meshulach, D. 138 (1997) 345
Silva, F., see Font, J.L. 138 (1997) 403
Slekys, G., see Staliunas, K. 138 (1997) 412
Sonobe, K., see Kikuchi, S. 138 (1997) 21
Sprik, R., see Kop, R.H.J. 138 (1997) 118
Squier, J., see Müller, M. 138 (1997) 16
Staliunas, K., M.F.H. Tarroja, G. Slekys and B. Bahar, On the periodic and chaotic alternation of transverse patterns of photorefractive oscillators 138 (1997) 412
Starodumov, A.N., L.A. Zenteno, D. Monzon and A.R. Boyain, All-fiber polarization-independent narrow band wavelength-division multiplexer 138 (1997) 31
Steuernagel, O., Synthesis of Fock states via beam splitters 138 (1997) 71
Sun, C.C., see Chang, J.Y. 138 (1997) 101

Tamošauskas, G., see Veitas, G. 138 (1997) 333
Tarroja, M.F.H., see Staliunas, K. 138 (1997) 412
Teteris, J. and O. Nordman, Light-induced relaxation of holographic gratings in amorphous As_2S_3 films 138 (1997) 279
Tian, F., see Rahman, L. 138 (1997) 91
Tiziani, H.J., see Totzeck, M. 138 (1997) 365
Torner, L., D. Mihalache, D. Mazilu and N.N. Akhmediev, Walking vector solitons 138 (1997) 105
Torre, A., see Bollanti, S. 138 (1997) 35
Torre, R., see O'Donnell, K.A. 138 (1997) 341
Totzeck, M. and H.J. Tiziani, Phase-singularities in 2D diffraction fields and interference microscopy 138 (1997) 365
Toyoda, K., see Ilev, I.K. 138 (1997) 337
Tsou, R.H., see Chang, J.Y. 138 (1997) 101
Tsuchiya, M., see Klaus, W. 138 (1997) 151

Uchida, Y., see Mizunami, T. 138 (1997) 40
Uemura, S. and K. Miyazaki, Femtosecond Cr:LiSAF laser pumped by a single diode laser 138 (1997) 330
Usadi, E., see Hopkins, S.A. 138 (1997) 185

Valiulis, G., see Veitas, G. 138 (1997) 333
Van Eijkelenborg, M.A., see Schrama, C.A. 138 (1997) 305
Veitas, G., A. Dubietis, G. Valiulis, D. Podėnas and G. Tamošauskas, Efficient femtosecond pulse generation at 264 nm 138 (1997) 333
Vilaseca, R., see Font, J.L. 138 (1997) 403

Violino, P., see Larichev, A.V. 138 (1997) 127
Volkov, S.N., see Koroteev, N.I. 138 (1997) 113

Wallenstein, R., see Wang, D. 138 (1997) 87
Wang, D., Ch. Grässer, R. Beigang and R. Wallenstein, The generation of tunable blue ps-light-pulses from a cw mode-locked LBO optical parametric oscillator 138 (1997) 87
Wang, G., see Keller, O. 138 (1997) 75
Wang, P.-Y., see Yang, Q.-S. 138 (1997) 325
Wang, Y.-Z., see Yin, J. 138 (1997) 287
White, A.G., see Schiller, S. 138 (1997) 158
Wicksted, J.P., see Hamad, A.Y. 138 (1997) 354
Winkler, W., see Mizuno, J. 138 (1997) 383
Woerdman, J.P., see Schrama, C.A. 138 (1997) 305
Wolf, E., see James, D.F.V. 138 (1997) 257
Wright, E.M., see Dunlop, A.M. 138 (1997) 211
Wu, M., see Li, X. 138 (1997) 143

Xu, Z., see Du, S. 138 (1997) 193

Yan, Y., see Li, X. 138 (1997) 143
Yang, Q.-S., P.-Y. Wang, H.-W. Yin, J.-H. Dai and H.-J. Zhang, Global stability and oscillation properties of a two-level model for a class-B laser with feedback 138 (1997) 325
Yarovoy, V.V., see Kirsanov, A.V. 138 (1997) 235
Yelin, D., see Meshulach, D. 138 (1997) 345
Yin, H.-W., see Yang, Q.-S. 138 (1997) 325
Yin, J., H.-R. Noh, K.-I. Lee, K.-H. Kim, Y.-Z. Wang and W. Jhe, Generation of a dark hollow beam by a small hollow fiber 138 (1997) 287

Zenteno, L.A., see Starodumov, A.N. 138 (1997) 31
Zhang, H.-J., see Yang, Q.-S. 138 (1997) 325
Zheng, S.-B. and G.-C. Guo, A method for generating Schrödinger cat states with controllable components 138 (1997) 317
Zhou, L., see Du, S. 138 (1997) 193

ELSEVIER

1 June 1997

Optics Communications 138 (1997) 426–430

OPTICS COMMUNICATIONS

Subject index to volume 138

Propagation, diffraction and scattering

J. Calatroni, A. Marcano, R. Escalona and P. Sandoz, Visualization and measurement of a stationary thermal lens using spectrally resolved white light interferometry 1

R.H.J. Kop, P. de Vries, R. Sprik and A. Lagendijk, Kramers-Kronig relations for an interferometer 118

D. Chauvat, J. Guéna, Ph. Jacquier, M. Lintz, M.A. Bouchiat, M.D. Plimmer and C.W. Goodwin, Magnification of a tiny polarisation rotation by a dichroic plate in balanced mode polarimetry 249

Z. Jiang, R. Jacquemin, Q. Lu and W. Eberhardt, Spectral shifts of ultrashort pulsed Gaussian beam 253

D.F.V. James and E. Wolf, Cross-spectrally pure light and the spectral modulation law 257

C.J.R. Sheppard, Vector diffraction in paraboloidal mirrors with Seidel aberrations: effects of small object displacements 262

A.Y. Hamad and J.P. Wicksted, Volume grating produced by intersecting Gaussian beams in an absorbing medium: a Bragg diffraction model 354

M. Totzeck and H.J. Tiziani, Phase-singularities in 2D diffraction fields and interference microscopy 365

J. Mizuno, A. Rüdiger, R. Schilling, W. Winkler and K. Danzmann, Frequency response of Michelson- and Sagnac-based interferometers 383

Optical information, image formation and analysis, optical computing

K. Minoshima and H. Matsumoto, In-situ measurements of shapes and thicknesses of optical parts by femtosecond two-colour interferometry 6

N.K. Gupta and H. Ogawa, Optoelectronic architecture for cellular neural networks based on a new bias method and spatial coding scheme 11

M. Müller, A.H. Buist, G.J. Brakenhoff and J. Squier, Method for complex focal field measurement of a high-numerical-aperture lens under CW and pulsed conditions 16

S. Kikuchi, K. Sonobe, S. Mashiko, Y. Hiraoka and N. Ohyama, Three-dimensional image reconstruction for biological micro-specimens using a double-axis fluorescence microscope 21

Y.N. Ning, W.J. Shi, K.T.V. Grattan, A.W. Palmer and B.T. Meggitt, Interferometric detection scheme for measuring wavelength shift using a stabilized interferometer with an additional reference wavelength 27

A.N. Starodumov, L.A. Zenteno, D. Monzon and A.R. Boyain, All-fiber polarization-independent narrow band wavelength-division multiplexer 31

S. Bollanti, P. Di Lazzaro, D. Murra and A. Torre, Analytical propagation of supergaussian-like beams in the far-field 35

A.V. Larichev, I.P. Nikolaev and P. Violino, LCLV-based system for high resolution wavefront correction: phase knife as a feedback intensity producer 127

R.H. Marshall, Y.N. Ning, A.W. Palmer and K.T.V. Grattan, Dispersion in an electronically-scanned dual-wavelength low-coherence interferometer 136

X. Li, M. Wu, Y. Yan, Q. He and G. Jin, Dynamic range metric for a photorefractive crystal in a volume holographic memory system 143

W. Klaus, M. Ide, S. Morokawa, M. Tsuchiya and T. Kamiya, Angle-independent beam steering using a liquid crystal grating with multi-resistive electrodes 151

A. Olszak and K. Patorski, Modified electronic speckle pattern interferometer with reduced number of elements for vibration analysis 265

X. Deng, Y. Li, D. Fan and Y. Qiu, A fast algorithm for fractional Fourier transforms 270

N. Miura, N. Sawai and N. Baba, Stellar image reconstruction by minimizing errors for bispectral phases 275

J. Teteris and O. Nordman, Light-induced relaxation of holographic gratings in amorphous As_2S_3 films 279

Y. Arieli, N. Eisenberg and A. Lewis, Pattern generation by inverse phase contrast 284

V. Laude, Diffraction analysis of pixelated incoherent shadow casting 394

Optical communications

T. Mizunami, M. Hashimoto, S. Gupta, Y. Uchida and T. Shimomura, Wavelength dependence of two-photon absorption in germanosilicate optical fibers 40

Q.D. Liu, L. Shi, P.P. Ho and R.R. Alfano, Nonlinear vector rotation and depolarization of femtosecond laser pulses propagating in non-birefringent single-mode optical fibers 45

F.Kh. Abdullaev, A.A. Abdumalikov and B.B. Baizakov, Propagation of chirped optical solitons in fibers with randomly varying parameters 49

J. Yin, H.-R. Noh, K.-I. Lee, K.-H. Kim, Y.-Z. Wang and W. Jhe, Generation of a dark hollow beam by a small hollow fiber 287

L. Gong, Q. Li and Y. Chen, Electromagnetic field analysis of a curved antiresonant reflecting optical waveguide 293

S.-S. Lee, S.-W. Ahn and S.-Y. Shin, Electro-optic polymer digital optical switch with photobleached waveguides and a self-aligned electrode 298

Atomic, molecular and plasma physics

S.A. Nikitov, Yu.V. Gulyaev and V.I. Pustovoit, Optical-magnetostatic spin wave interaction in a ferromagnetic waveguide 55

Condensed matter

E. Koudoumas, F. Dong, S. Couris and S. Leach, High order nonlinear optical response of fullerene solutions in the nanosecond regime 301

Quantum optics

G. Li and J. Peng, Coherent population trapping in multilevel laser-induced continuum structure system 59

H. Ezaki, G.S. Agarwal and E. Hanamura, Photon number squeezing enhanced by two-photon process in excitonic systems 65

O. Steuernagel, Synthesis of Fock states via beam splitters 71

O. Keller and G. Wang, Angular momentum photon drag in a mesoscopic ring 75

S. Schiller, R. Bruckmeier and A.G. White, Classical and quantum properties of the subharmonic-pumped parametric oscillator 158

F. Montiel and M. Neviere, Infrared modulation via coupling gratings lying on III-V multiple quantum wells 172

S.A. Hopkins, E. Usadi, H.X. Chen and A.V. Durrant, Electromagnetically induced transparency of laser-cooled rubidium atoms in three-level Λ-type systems 185

S. Du, S. Gong, Z. Xu, L. Zhou and C. Gong, Production of two-mode optical Schrödinger catlike states via Kerr nonlinearity 193

C.A. Schrama, M.A. van Eijkelenborg, J.P. Woerdman and M. San Miguel, Dynamical polarization states above the instability threshold for circularly polarized laser emission 305

A. Orlowski, H. Paul and B. Böhmer, Phase-intensity uncertainty relation from quasiprobability distributions 311

S.-B. Zheng and G.-C. Guo, A method for generating Schrödinger cat states with controllable components 317

Lasers

B.A. Nguyen and P. Mandel, Antiphase dynamics: a generalized reference model 81

D. Wang, Ch. Grässer, R. Beigang and R. Wallenstein, The generation of tunable blue ps-light-pulses from a cw mode-locked LBO optical parametric oscillator 87

L. Rahman, G. Li and F. Tian, Remote synchronization of high-frequency chaotic signals in semiconductor lasers for secure communications 91

J.Y. Law and G.P. Agrawal, Nonlinear spatio-temporal dynamics due to transverse-mode competition in gain-switched microcavity semiconductor lasers 95

R. Bonifacio, A rigorous calculation of coherent noise bunching 99

J. Mercier and M. McCall, Stability and dynamics of an injection-locked semiconductor laser array 200

T. Chattopadhyay and M. Nakajima, All optical set-reset flip-flop memory element: a proposal 320

Q.-S. Yang, P.-Y. Wang, H.-W. Yin, J.-H. Dai and H.-J. Zhang, Global stability and oscillation properties of a two-level model for a class-B laser with feedback 325

S. Uemura and K. Miyazaki, Femtosecond Cr:LiSAF laser pumped by a single diode laser 330

G. Veitas, A. Dubietis, G. Valiulis, D. Podėnas and G. Tamošauskas, Efficient femtosecond pulse generation at 264 nm 333

I.K. Ilev, H. Kumagai and K. Toyoda, A powerful and widely tunable double-pass fiber Raman laser 337

J.L. Font, F. Silva and R. Vilaseca, Steady-state emission and stability of a single-mode two-level Fabry-Perot cavity laser 403

Nonlinear optics

J.Y. Chang, C.R. Chinjen, R.H. Tsou, C.Y. Huang, C.C. Sun and M.W. Chang, Photorefractive effect in hydrogen-reduced $BaTiO_3$ 101

L. Torner, D. Mihalache, D. Mazilu and N.N. Akhmediev, Walking vector solitons 105

B. Sahraoui and G. Rivoire, Degenerate four-wave mixing in absorbing isotropic media 109

N.I. Koroteev, V.A. Makarov and S.N. Volkov, Second harmonic generation by reflection of a two-dimensional laser beam from the surface of a chiral medium 113

A.M. Dunlop, W.J. Firth and E.M. Wright, Master equation for spatio–temporal beam propagation and Kerr lens mode-locking 211

R. Gutiérrez-Castrejón, K.M. Hung and T.J. Hall, Spatial evolution of the phase in resonant degenerate four-wave mixing 227

A.V. Kirsanov and V.V. Yarovoy, Selection of a wave phase-conjugated to an input speckled beam in an FWMF-oscillator with a ''short'' hologram 235

G.Kh. Kitaeva, A.A. Mikhailovsky, P.S. Losevsky and A.N. Penin, Four-wave light scattering by polaritons in $LiNbO_3$ 242

K.A. O'Donnell and R. Torre, Second-harmonic generation from a strongly rough metal surface 341

D. Meshulach, D. Yelin and Y. Silberberg, Adaptive ultrashort pulse compression and shaping 345

M.S. Petrović, M.R. Belić, M.V. Jarić and F. Kaiser, Optical photorefractive flip-flop oscillator 349

K. Staliunas, M.F.H. Tarroja, G. Slekys and B. Bahar, On the periodic and chaotic alternation of transverse patterns of photorefractive oscillators 412